

JAN 05 2009

Docket No. F-9180

Ser. No. 10/589,415

AMENDMENTS TO THE SPECIFICATION:

Please amend the indicated paragraphs the specification *as filed* in accordance with the amendments indicated below.

Page 5, first full paragraph:

In order to attain the above-mentioned object, the invention ~~of claim 1 is~~ provides an electric pump unit in which a pump section for sucking and discharging a fluid is formed on one end side of a rotation shaft disposed through a hole provided in an inner wall for dividing a housing, and a motor section is formed on the other end side of the rotation shaft, the motor section comprising: a rotor consisting of a rotor core and a permanent magnet which are fixed to an outer circumference of the rotation shaft; and a stator consisting of a stator core having a teeth portion, and a coil which are disposed in the periphery of the rotor, characterized in that the permanent magnet constituting the rotor is embedded in the rotor core.

Pages 5 and 6, paragraph bridging same:

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Specifically, according to the invention of ~~claim 1~~, the motor of the electric pump unit, which conventionally has the SPM structure, is configured so as to have the IPM structure. Therefore, a protective ring for protecting the permanent magnet is not required. Accordingly, the electric pump unit of the invention can realize a fewer number of components and a lighter unit, as compared with a conventional product.

Page 6, first full paragraph:

Alternatively, ~~as set forth in claim 2,~~ in the present invention, when a configuration in which a bearing gap is disposed between an outer-diameter face of the rotor core and an inner-diameter face of the stator core opposed thereto, and rotation of the rotation shaft is supported by the stator core is employed, also rolling bearings which are conventionally disposed for supporting the rotation shaft can be omitted. By omitting the bearings, it is a matter of course that the cost of the electric pump unit can be lowered, and furthermore the size in the unit axial direction can be reduced. Accordingly, the electric pump unit can be configured in a further compact manner.

Page 6, second full paragraph:

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As the stator core used in the electric pump unit of the invention, an annular stator core comprising: an annular core having a cylindrical inner circumferential face; and a tooth portion protruding from an outer circumferential face of the annular core in a radial direction can be preferably employed ~~(claim 3)~~.

Page 6, first full paragraph:

Alternatively, in the electric pump unit of the present invention, a solid lubricant coating film made of a non-magnetic material may be formed on at least one of the outer-diameter face of the rotor core and the inner-diameter face of the stator core opposed thereto ~~(claim 4)~~.

Page 6, third full paragraph:

As the permanent magnet used in the motor (the rotor portion) of the electric pump unit of the invention, a rare-earth magnet is preferred, and the rotor core is preferably formed by laminating electromagnetic steel plates ~~(claim 5)~~. According to this configuration, high-speed rotation and high efficiency of the motor can be realized.